

POLIOMYELITIS SURVEILLANCE REPORT THIRD YEAR NO. 105 FEBRUARY 8, 1957

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U. S. Department of Health, Education and Welfare
Public Health Service Bureau of State Services
Communicable Disease Center
Poliomyelitis Surveillance Unit
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SPECIAL NOTE

The information in this report represents a factual summary of data reported to the Poliomyelitis Surveillance Unit from State Health Departments, Epidemic Intelligence Service Officers, participating Laboratories and other pertinent sources. All readers should be cautioned regarding the interpretation of these data, many of which are preliminary and provisional in nature. It is understood that the contents of these reports will not be released to the press, except by the Office of the Surgeon General, Public Health Service, U.S. Department of Health, Education and Welfare. State Health Officers, of course, are free to release any information they may wish concerning data from their state.

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Supplement: Index of 1955 and 1956 Poliomyelitis Surveillance Reports.

I. Current Poliomyelitis Morbidity Trends

National poliomyelitis incidence has continued at a level of about fifty reported cases per week during the past three weeks. Following 47 cases reported to the National Office of Vital Statistics for the week ending January 12, cases reported during the subsequent three weeks have totaled 56, 47, and 53, respectively. This level of incidence is greater than that reported in 1948, but lower than in any subsequent year. Figure 1 shows the 1957 weekly incidence in comparison with incidence curves for January to May for the years 1952 to 1956.

Table 1 presents reported incidence for the past six weeks by states and regions, with six-week totals for the previous four years. Only South Carolina has reported high incidence for this time of year. A report on this incidence is expected to appear in the next PSU Report.

II. Outbreak of Polio in Hattiesburg, Mississippi - Fall, 1956

In PSU Report Nos. 101 and 103, six under-30-day vaccinated cases were included in the tabular summary from Hattiesburg, Forrest County, Mississippi (Miss-41 and -44 to -48). Dr. Steve C. Cuff, Epidemic Intelligence Service Officer assigned to the Mississippi State Board of Health (Dr. A.C. Gray, State Epidemiologist), has now reported that these cases were part of an outbreak in a Negro substandard dwelling area in the fall of 1956.

Hattiesburg, a town of 30,000 population in southern Mississippi, reported 20 cases of poliomyelitis in 1956. According to Dr. Cuff, fourteen of these cases occurred in this Negro subdivision between September 10 and November 20; all fourteen were from one to six years old, three occurring in one household and two in another. Five were paralytic (one fatal) and nine nonparalytic. Of the six vaccinated cases, one was paralytic and one had transient paralysis. These six were associated with three different lots of vaccine. Seven of the fourteen cases, including two in mid-September and five with onsets during a nine-day period in November, attend a community nursery with fifty other preschool children. Of these last five cases, none reported contact with known poliomyelitis cases during the previous month. Following his investigation, Dr. Cuff concluded that this outbreak represents direct person to person transmission and that vehicles or vectors are not incriminated.

III. Routine Poliomyelitis Surveillance

Recommended reporting procedures for routine poliomyelitis surveillance were reviewed in PSU Report No. 74, May 11, 1956. At that time, a revision of these procedures was effected such that reporting was to include only those cases with onset of illness within 30 days of last vaccine inoculation. Since then, all under-30-day vaccinated cases reported by the State Polio Reporting Officers have been included in the PSU Report tabular summaries as soon as the following minimum information was available: initials, county, age, sex, date of inoculation, vaccine manufacturer, date of onset and paralytic status.

Since it has become increasingly difficult in recent months to obtain data regarding manufacturer and lot number of vaccine used, future PSU Reports will include cases even though the vaccine manufacturer may not yet be determined. Thus, from now on, all reported cases vaccinated within 30 days will be listed when the data for each case include

- 1) indication that the State Health Department has classified the case as poliomyelitis,
- 2) reasonable identifying data,
- 3) indication as to paralytic status,
- 4) estimates of dates of onset and of last vaccine inoculation.

The tabular summary in this report thus includes for the first time 28 paralytic and 28 nonparalytic cases previously reported to PSU but not previously listed since manufacturers are not known. Inclusion of this group of cases for which data are incomplete contributes little in evaluation of vaccine safety. But such an estimate of the relative magnitude of the "unknown" side of tabulations is of interest in proper interpretation of cases for which data are complete.

It should be emphasized, however, that information as to site of last inoculation, manufacturer and lot number of vaccine is of prime importance in evaluation of vaccine safety and potential provoking effect. It is therefore urged that every effort be continued to obtain as complete data as possible on all poliomyelitis cases occurring within 30 days following vaccination.

In addition to the 56 cases mentioned above the tabular summary lists five new under-30-day cases reported January 16 through February 1; all five of these cases were paralytic. Three of the five followed inoculation with Lilly vaccine, one with Wyeth and one with Pitman-Moore. The lots of vaccine used are listed in Table 2, together with all previous cases in association with each lot. In Table 3, these cases are presented by vaccine manufacturer and paralytic status, together with the total under-30-day vaccinated cases reported in 1956 and to date in 1957.

IV. Vaccine Distribution

During 1955 and 1956, a total of 98.2 million doses of poliomyelitis vaccine were distributed for domestic use, including 27.7 million doses in April through December 1955 and 70.5 million doses in 1956. An additional 6.5 million doses were exported during recent months of 1956. Through the end of 1956, a cumulative total of 130.6 million doses of vaccine (net cc's of bottled vaccine) has been released after clearance by the National Institutes of Health, leaving a balance of 25.9 million doses on hand at the close of the year.

Distribution of vaccine by calendar quarters is presented in Figure 2. Quarterly shipments of vaccine reached a peak in the second quarter of 1956 when 27.8 million doses were distributed. Shipments declined progressively during the last two quarters of 1956, lagging considerably behind vaccine releases. This progressive accumulation of vaccine available for use is also shown in Figure 2.

Of the 98.2 million doses distributed domestically, 13.7 million were purchased by the National Foundation for Infantile Paralysis, primarily for vaccination of first and second-grade school children in 1955, 53.5 million were distributed through public agencies, and 31.0 million were distributed through normal drug channels. The specific usage of this vaccine is unknown.

There are between 60 and 65 million persons under age 20 in the United States and territories. Thus, just over half enough vaccine has now been distributed to complete three inoculations each for this group. Well over one hundred million more doses, in addition, would be required to complete vaccination of the population under age 40.

A summary of current and cumulative shipments of vaccine (in 1,000's of cc's of net bottled vaccine) appears in Table 4. Excluding export, over six million cc's were shipped during the period January 1 to 25, a three million increase over the comparable December total. An excess of 23 million cc's cleared but not shipped was on hand as of January 25.

V. Termination of 1956 Age Distribution Analysis

Notifications have been sent to states participating in the 1956 Age Distribution Analysis to discontinue submission of monthly listings of polio cases with the January report. Current analyses of the data collected in this cooperative study have appeared in previous PSU Reports, and a preliminary analysis was incorporated in "A Preliminary Report on the Surveillance of Poliomyelitis in the United States in 1956" (January 25, 1957). A final more detailed report on the 1956 Age Distribution Analysis will appear in the PSU Report this spring. Although definite plans for studies during the 1957 polio season have not yet been formulated, similar studies may be initiated later in the spring.

Errata:

PSU Report No. 104 (January 18, 1957), Section IV, Paralytic Polio at Los Angeles County Hospital, page 7: For the age group 0-19 in the table, it should read 3(6%) of 49 vaccinated paralytic cases used tracheotomies and/or respirators, as indicated by the totals.

Supplement to PSU Report No. 102 (December 12, 1956), A Study of the Correlation between Sites of Inoculation and First Paralysis in Vaccinated Poliomyelitis Cases, Summary and Conclusion, page 5: the second and third sentences of the first paragraph of this section should read, as indicated

in the table on page 2 of the Report (corrections underlined): "Of this group of 734 cases, 313 were paralytic and of these, 221 had initial spinal involvement. Of these 221, 44 had first paralysis in the inoculated and/or opposite uninoculated limb."

* * * * *

The next Poliomyelitis Surveillance Report will appear on
March 1, 1957.

(This Report was prepared by N.Nathanson, W.J. Hall, L.D. Thrupp,
and H. Forester, with assistance from the Statistics Section, CDC.)

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Fig. 1

CURRENT U.S. POLIO INCIDENCE COMPARED WITH YEARS 1952-1955

DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS

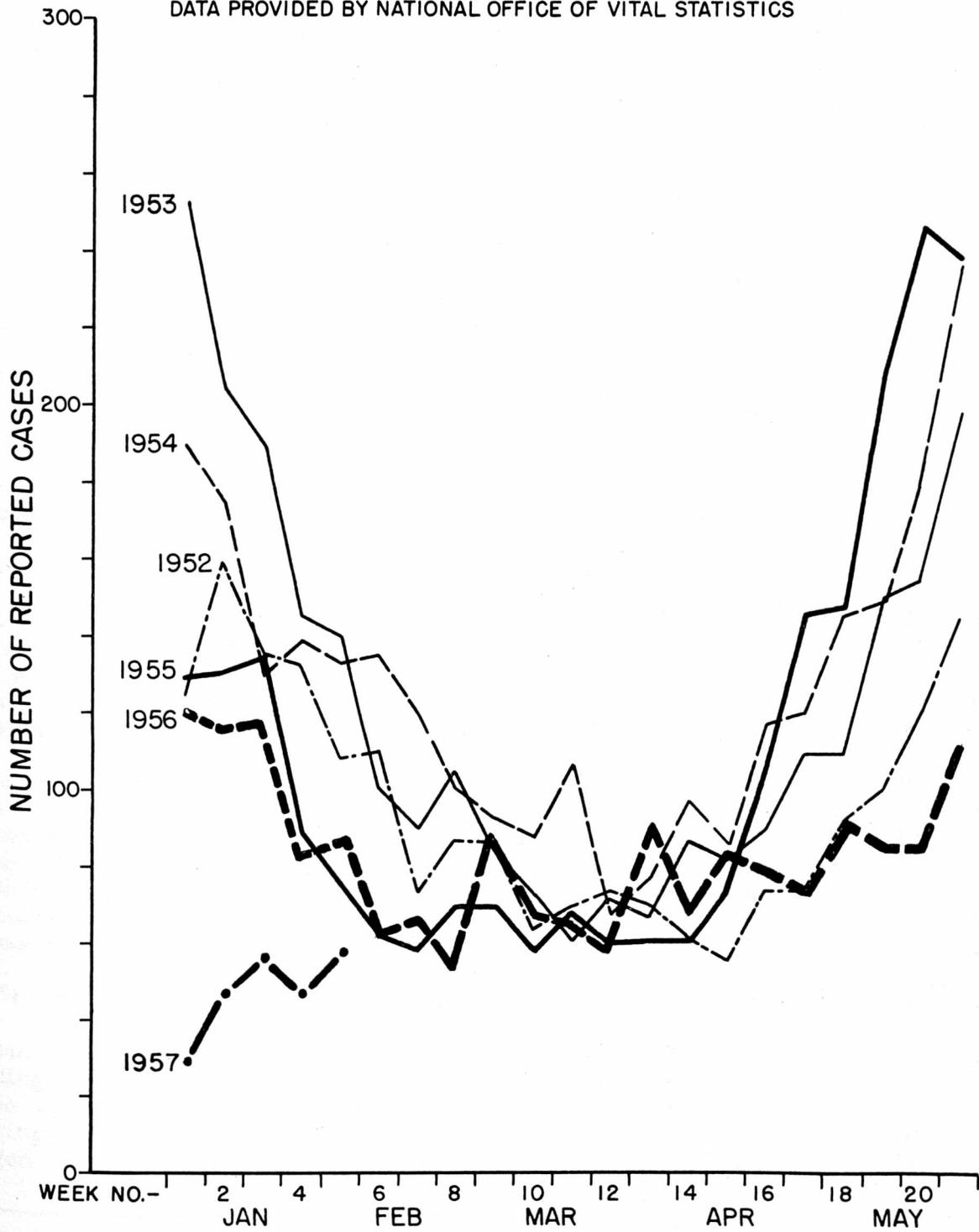


Table 1
TREND OF 1957 POLIOMYELITIS INCIDENCE

State and Region	Cases Reported to NOVS* for Week Ending:						Six Week Total	Comparable Six Week Totals in:			
	12-29	1-5	1-12	1-19	1-26	2-2		1956	1955	1954	1953
UNITED STATES	102	29	47	56	47	53	334	642	702	966	1231
NORTH EAST	11	-	4	1	2	4	22	88	130	154	133
Maine	-	-	-	-	-	1	1	6	1	3	4
New Hampshire	-	-	-	-	-	-	-	3	1	5	-
Vermont	-	-	-	-	-	-	-	4	11	3	-
Massachusetts	1	-	-	-	-	-	1	18	8	21	13
Rhode Island	-	-	-	-	-	-	-	4	-	2	3
Connecticut	-	-	1	-	-	1	2	2	4	9	6
New York	5	-	3	1	1	2	12	36	64	60	74
New Jersey	2	-	-	-	1	-	3	4	20	11	12
Pennsylvania	3	-	-	-	-	-	3	11	21	40	21
NORTH CENTRAL	31	5	5	16	8	11	76	85	127	200	338
Ohio	3	2	-	3	2	-	10	10	17	64	22
Indiana	6	-	1	2	2	-	11	4	4	8	9
Illinois	9	-	-	-	1	3	13	9	12	10	36
Michigan	4	-	-	2	1	2	9	16	41	46	81
Wisconsin	-	1	1	-	-	1	3	15	7	15	11
Minnesota	1	-	-	1	-	-	2	4	5	10	19
Iowa	1	1	-	-	-	2	4	11	10	9	41
Missouri	-	-	1	2	1	1	5	9	8	12	24
North Dakota	2	-	-	-	-	-	2	1	3	5	6
South Dakota	-	-	-	-	-	-	-	4	2	9	57
Nebraska	5	-	2	1	1	2	11	-	10	3	21
Kansas	-	1	-	5	-	-	6	2	8	2	11
NORTH WEST	4	3	-	1	2	-	10	44	56	67	61
Montana	1	-	-	1	-	-	2	6	8	16	13
Wyoming	-	-	-	-	-	-	-	2	4	9	3
Idaho	-	-	-	-	-	-	-	5	5	7	9
Washington	2	1	-	-	1	-	4	15	24	20	28
Oregon	1	2	-	-	1	-	4	16	15	15	8

* National Office of Vital Statistics.

(CONTINUED ON BACK)

Table 1 (Continued)

State and Region	Cases Reported to NOVS* for Week Ending:						Six Week Total	Comparable Six Week Totals in:			
	12-29	1-5	1-12	1-19	1-26	2-2		1956	1955	1954	1953
SOUTH EAST	17	1	8	17	9	12	64	59	144	170	120
Delaware	1	-	-	-	-	-	1	1	3	-	-
Maryland	-	-	-	-	-	-	-	3	5	4	1
D. C.	-	-	-	-	-	-	-	-	2	1	-
Virginia	5	-	-	1	-	1	7	2	1	4	8
West Virginia	1	-	-	-	-	-	1	1	8	9	9
North Carolina	-	-	-	-	2	4	6	19	25	26	27
South Carolina	2	1	2	4	3	2	14	3	2	8	7
Georgia	-	-	-	-	-	2	2	6	10	23	6
Florida	1	-	1	9	2	3	16	12	61	59	34
Kentucky	2	-	1	1	-	-	4	9	13	10	8
Tennessee	2	-	1	2	1	-	6	1	8	16	13
Alabama	3	-	3	-	1	-	7	2	6	10	7
SOUTH CENTRAL	21	7	16	10	7	12	73	130	87	112	68
Mississippi	2	1	2	2	-	3	10	14	14	10	11
Arkansas	4	-	-	1	-	-	5	8	7	7	1
Louisiana	3	1	4	1	-	2	11	18	11	12	15
Oklahoma	-	-	1	-	1	-	2	6	11	4	11
Texas	12	5	9	6	6	7	45	84	44	79	30
SOUTH WEST	18	13	14	11	19	14	89	236	158	263	511
Colorado	2	1	-	1	-	-	4	5	8	4	14
New Mexico	2	-	1	-	1	1	5	-	2	5	9
Arizona	1	-	-	-	3	-	4	17	3	5	17
Utah	-	3	1	2	3	-	9	3	13	12	52
Nevada	1	1	-	1	-	-	3	11	7	2	22
California	12	8	12	7	12	13	64	200	125	235	397
TERRITORIES											
Alaska	-	-	-	-	1	-	1	-	3	32	9
Hawaii	-	-	-	-	-	1	1	23	1	31	3
Puerto Rico	-	-	-	3	-	1	4	6	152	7	-

* National Office of Vital Statistics.

Table 2

Listing of Vaccine Lots and Associated Poliomyelitis Cases

Case No.	Report No.	Date Last Inoculation	Date First Symptoms	Site of Inoculation	Site of 1st Paralysis
<u>LILLY LOT NO. 676309</u> - One million cc's distributed to 21 states and territories in July.					
Wisc-114	105	9-1	9-20	LA	LL
For Previous cases, see PSU Report No. 98, Table 4.					
<u>WYETH LOT NO. 25202</u> - 400,000 cc's distributed to 39 states and territories in June					
Utah-12	105	7-?	7-18	RA	?
Tex-138	95	9-15	9-29	LA	None
Ill-144	97	8-20	9-16	LL	Spinal
<u>PITMAN-MOORE LOT NO. 175075</u> - 700,000 cc's distributed to 44 states and territories in June, July and August.					
Kans-12	105	7-7	7-28	LA	LL
La-42	86	6-15	6-24	RA	?
<u>LILLY LOT NO. 676312</u> - One million cc's distributed to 28 states and territories in June and July.					
Utah-10	105	7-18	7-22	?	?
Conn-54	86	7-9	7-18	LA	RL
Conn-55	91	7-26	8-6	LA	None
Minn-34	89	8-6	8-9	?	None
Minn-35	90	8-7	8-14	?	None
NY-209	87	7-13	8-3	?	None
NY-254	103	7-13	8-3	LA	None
Tenn-28	99	8-30	9-6	Arm	None
<u>LILLY LOT NO. 679903</u> - One million cc's distributed to 21 states and territories in August					
Utah-8	105	7-18	7-29	Arm	?
For Previous Cases see PSU Report No. 99, Table 8.					

Table 3

Poliomyelitis Cases with Onsets within 30 Days of a Vaccination in 1956
by Vaccine Manufacturer*** and Paralytic Status

Date of Report to PSu	L		PD		PM		SD		W		Unk	
	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP
CASES VACCINATED JANUARY TO JUNE 1956												
Through 1-15	55	37	5	2	10	5	0	2	3	4	0	0
1-16 to 2-1	0	0	0	0	0	0	0	0	0	0	6	7
Total through 2-1	55	37	5	2	10	5	0	2	3	4	6	7
CASES VACCINATED AFTER JUNE 1956												
Through 1-15	129**168*		8	9	12	21	0	10	6	6	0	0
1-16 to 2-1	3	0	0	0	1	0	0	0	1	0	22	21
Total through 2-1	132	168	8	9	13	21	0	10	7	6	22	21
Grand Totals	187	205	13	11	23	26	0	12	10	10	28	28
	382		24		49		12		20		56	

* Including three cases associated with Lilly or Pitman-Moore and one with Lilly or Wyeth.

** Including one case vaccinated with part Lilly and Part Wyeth vaccine.

*** L - Lilly, PD - Parke, Davis, PM - Pitman-Moore, SD - Sharpe & Dohme,
W - Wyeth, Unk - Unknown Manufacturer.

FIGURE 2

POLIOMYELITIS VACCINE DISTRIBUTION

DATA FROM POLIOMYELITIS VACCINE ACTIVITY, BSS, USPHS

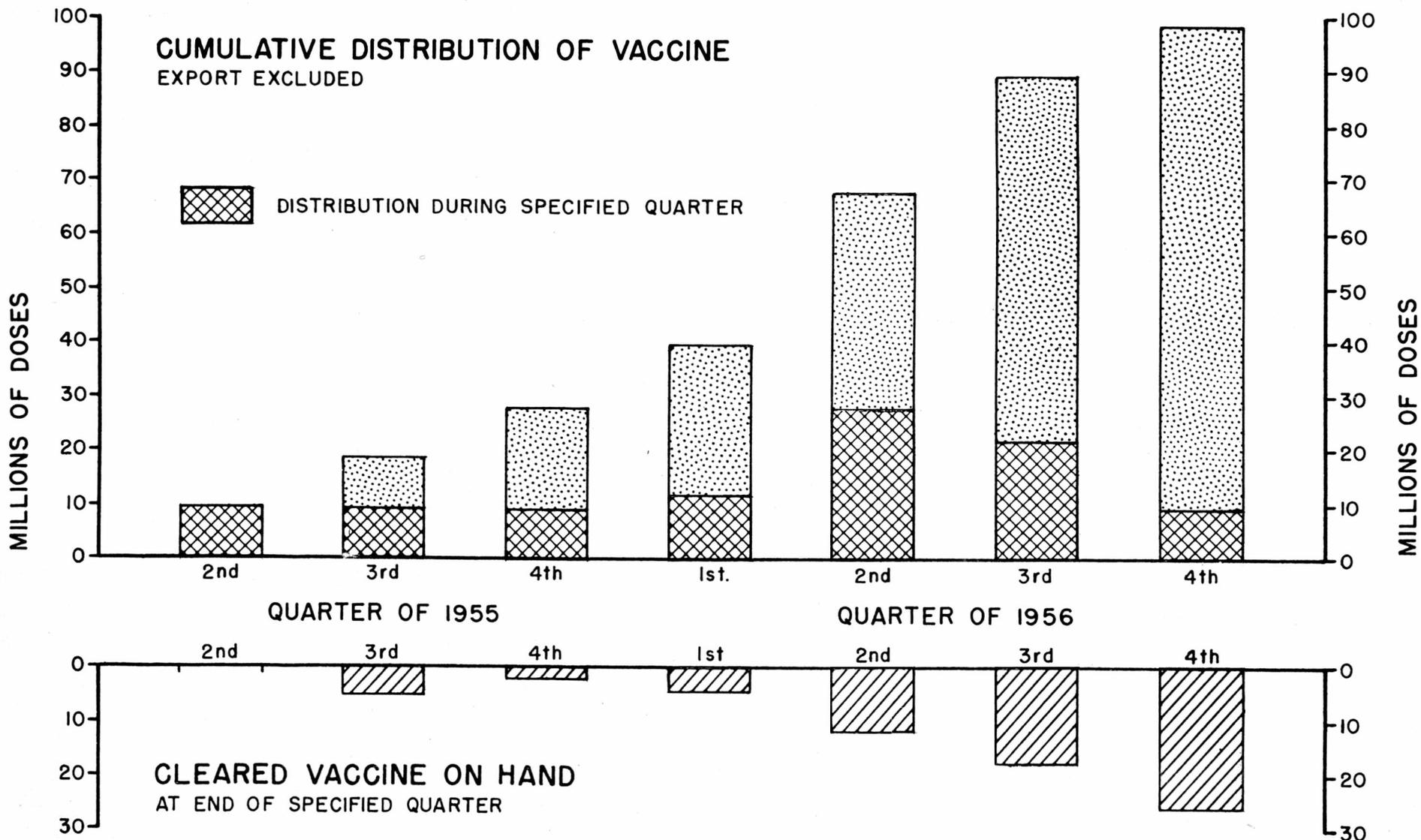


Table 4

Poliomyelitis Vaccine Shipment Summary

(Reports from Polio Vaccine Activity, BSS, USPHS, through 2-1-57)

Vaccine Shipments (in 1000's of cc's)

Period	NFIP**** Sponsored Clinics	Public Agencies	Commercial Channels	Export *****	Total
1955	13,541	7,893	6,233****	-	27,667
1956					
First Six Months	191	26,553	12,841	15	39,600
July	-	6,732	2,875	7	9,614
August	1	5,046	2,512	521	8,080
September	1	2,400	2,122	167	4,690
October	**	1,918	1,563	3,449	6,930
November	1	1,364	1,260	418	3,043
December	-	1,575	1,611	1,900	5,086
1956 Totals	194	45,588	24,784	6,477	77,045
1957					
January 1-25	2	3,214	2,945	1,955	8,115
Cumulative Totals	13,736	56,697	33,961	8,432	112,826
Vaccine Cleared for distribution by the National Institutes of Health but not shipped by 1-25-57					22,985

* Totals do not add because figures are rounded to nearest 1000 cc's.

** Less than 1000 cc's.

*** Includes 562,740 cc's shipped through commercial channels prior to inauguration of the Interstate Distribution Program in August, 1955.

**** Vaccine purchased by the National Foundation for Infantile Paralysis and distributed for inoculation of first and second grade children in locally organized school clinics.

***** Regulated under Department of Commerce Export policy.

Year	1950	1951	1952	1953	1954	1955
1950	100.0	100.0	100.0	100.0	100.0	100.0
1951	100.0	100.0	100.0	100.0	100.0	100.0
1952	100.0	100.0	100.0	100.0	100.0	100.0
1953	100.0	100.0	100.0	100.0	100.0	100.0
1954	100.0	100.0	100.0	100.0	100.0	100.0
1955	100.0	100.0	100.0	100.0	100.0	100.0

The following table shows the percentage of the total population of the United States in each of the five largest cities in 1950. The total population of the United States in 1950 was 150,697,000.

City Name: New York City
 Percentage: 13.8%

City Name: Los Angeles
 Percentage: 10.2%

City Name: Chicago
 Percentage: 9.8%

City Name: Philadelphia
 Percentage: 6.5%

City Name: San Francisco
 Percentage: 5.5%

VACCINATED CASES OF POLIOMYELITIS WITH INTERVALS OF 30 DAYS OR LESS

(PSU Accepted Cases January 16 - February 5, 1957)

PSU Case No.	County	Ini- tials	Age	Sex	Date Inoc.	Date	Date	Site	Site	Mfr.	Lot No.	Remarks
						1st Symp.	1st Para.	1st Inoc.	1st Para.			
<u>NEW</u>												
Cal-281	San Diego	PJ	8 mos.	M	7-13	8-12	8-16	LA	Legs	?	?	
Cal-282	Fresno	ML	16	F	9-4	9-15	9-15	LA	Bulbar	?	?	
Cal-283	San Joaquin	VB	25	M	8-27	9-7	9-14	RL	Bulbar	?	?	
Colo-20	Denver	GFB	12	M	6-6 7-29	8-6	None	LA LA	None	?	?	
Colo-21	El Paso	FT	24	F	7-30	8-24	?	?	?	?	?	Died 8-21-56
Conn-60	Fairfield	RFB	15	M	8-5	8-13	None	RA	None	?	?	Spinal fluid, 31 cells.
Del-4	Sussex	WCM	13	M	4-7 5-14	5-17	5-17	Arm Arm	LA	?	?	
Ill-152	Cook	JC	5	M	6-26	6-30	?	?	LA	L	?	
Ill-153	Cook	BR	4	F	7-3	7-8	None	?	None	?	?	
Ill-154	Madison	VKC	6	F	7-21	8-5	None	?	None	?	?	Spinal fluid, 34 cells.
Ill-155	Sangamon	CH	3	F	8-29 10-5	10-9	None	?	None	?	?	Type I poliovirus isolated. Spinal fluid, 38 cells.
Ill-156	Cook	WM	16 mos.	M	7-31	8-10	?	?	?	?	?	

PSU Case No.	County	Ini- tials	Age	Sex	Date Inoc.
Ill-157	Will	BLH	3	F	Feb-55 1956 6-21-56
Ind-6	LaPorte	LA	2	M	7-20
Ind-7	Adams	JR	3	M	7-21
Ind-8	Adams	RR	33	M	8-15
Ind-9	Adams	EZ	24	M	8-7
Ind-10	Henry	DMM	4	M	7-20
Ind-11	Lake	HC	7	M	7-25
Ind-12	Marion	TB	12	M	6-25 7-23
Ind-13	Marion	TN	7	F	7-16
Ind-14	St. Joseph	JMA	7	F	6-2 7-12
Ind-15	St. Joseph	TRL	3	F	6-21 7-28
Ind-16	Lake	JM	8	M	? ? 8-11

Date 1st Symp.	Date 1st Para.	Site Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
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NEW (Continued)

7-12	?	?	RL	?	?	
		?		?	?	
		?		?	?	
8-10	?	?	?	?	?	Spinal paralytic.
8-13	8-15	?	LL	?	?	
8-19	8-21	?	?	?	?	Spinal paralytic.
8-14	None	?	None	?	?	
7-30	7-30	?	RL	?	?	
7-26	7-27	LA	RL	?	?	
8-7	None	?	None	?	?	
		?		?	?	
8-13	None	?	None	?	?	
7-28	8-2	?	?	?	?	
		?		?	?	
8-20	None	Arm Arm	None	?	?	Spinal fluid, 0 cells.
				?	?	
9-3	None	?	None	?	?	
		?		?	?	
		?		?	?	

PSU Case No.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site Para.	Mfr.	Lot No.	Remarks
<u>NEW (Continued)</u>												
Tex-147	Bexar	EC	8	F	4-22-55	5-17-56	None	LA	None	?	?	
						5-26-55		LA		?	?	
						5-?-56		?		?	?	
Tex-148	Harris	JS	6	M	?	6-15	None	?	None	?	?	
					?			?		?	?	
					5-25-56			RA		?	?	
Tex-149	Harris	RS	5	M	1955	7-5-56	None	?	None	?	?	Spinal fluid, 21 cells.
					1955			?		?	?	
					6-26-56			?		?	?	
Utah-3	Salt Lake County	CD	10	M	May-55	7-15-56	None	?	None	?	?	Type I poliovirus isolated.
					Oct-55			?		?	?	
					7-14-56			?		?	?	
Utah-4	Duchesne	LC	3	F	7-21	7-23	?	LA	?	?	?	
Utah-5	Salt Lake	JJ	14	M	7-18	7-18	None	?	None	?	?	
Utah-6	Davis	KC	12	F	7-16	7-20	?	LA	Bulbar	?	?	
Utah-7	Salt Lake	RMP	7	M	7-17	8-9	?	LA	?	PM	?	
Utah-8	Salt Lake	SG	4	M	7-18	7-29	?	Arm	?	L	679903	Type I poliovirus isolated
Utah-9	Salt Lake	NH	13	F	7-12	7-26	?	LA	Bulbar	L	?	
Utah-10	Salt Lake	MA	2	M	5-?	7-22	?	Arm	?	L	671701	Type I poliovirus isolated
					7-18			?		L	676312	

PSU					Date	Date		Site					
Case No.	County	Ini- tials	Age	Sex	Date Inoc.	1st Date Symp.	1st Date Para.	Site Inoc.	1st Para.	Mfr.	Lot No.	Remarks	
<u>NEW (Continued)</u>													
Kans-12	Montgomery	CA	11	F	7-7	7-28	8-2	LA	LL	PM	175B075		
La-73	Orleans	BG	10mos.	F	4-21	5-15	5-24	?	LL	?	?	Type III Poliovirus isolated.	
La-74	Vernon	FGS	9	M	7-28	8-1	8-1	?	LL	?	?		
La-75	Ouachita	RP	18mos.	M	8-22	8-23	8-23	?	?	?	?	Type I poliovirus isolated.	
La-76	Calcasieu	VP	1	F	8-2	8-4	?	LA	Legs	?	?		
La-77	Orleans	GJJ	7	F	4-26	5-16	5-18	Arm	?	?	?	Type III poliovirus isolated.	
La-78	Calcasieu	JV	9mos.	F	5-19	6-15	None	LA	None	?	?	Type I poliovirus isolated.	
Mass-155	Worcester	DF	29	F	4-24 7-6	8-1	None	?	None	L	663614		
Miss-49	Smith	TDT	9mos.	M	7-10	7-17	7-21	LA	LL	?	?		
Mo-21	St. Louis City	SR	11	F	May June	7-13	None	?	None	?	?	Spinal fluid, 87 cells.	
Neb-29	Kimball	LEB	5	M	9-13	9-21	None	LA	None	?	?	Spinal fluid, 300 cells.	
Neb-30	Lancaster	SE	21	F	9-11	9-20	9-26	LA	Arm	?	?		
NJ-16	Essex	JP	5	F	7-23	8-3	None	LA	None	?	?	Spinal fluid, 130 cells.	
Tex-146	Taylor	JJ	16	F	4-28 5-4	6-2	None	LA	None	?	?	Spinal fluid, 229 cells.	

PSU Case No.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
<u>NEW (Continued)</u>												
Utah-11	Utah	LS	22mos.	F	7-16	7-19	None	?	None	PD	?	
Utah-12	Salt Lake	CM	4	M	6-? 7-?	7-18	?	?	?	?	?	
Wash-21	Pierce	HEJ	14	F	8-7	8-23	None	?	None	?	?	Spinal fluid, 49 cells.
WVa-27	Mingo	DLW	11	M	11-17	11-19	None	?	None	?	?	Spinal fluid, 222 cells.
Wisc-108	Milwaukee	MC	6	F	6-20	7-17	7-20	LA	Legs	?	?	
Wisc-109	Kenwaunee	CLW	12	F	6-28 7-26	8-9	None	LA RA	None	?	?	Spinal fluid, 1 cell.
Wisc-110	Outagamie	CLD	6	M	11-?-55 1-?-56 8-30-56	8-30	None	?	None	?	?	
Wisc-111	Ozaukee	MS	4	M	12-22-55 1-7-56 8-14-56	8-18	None	Arm Arm Arm	None	?	?	Spinal fluid, 18 cells.
Wisc-112	Dodge	LAW	13	F	8-24	8-28	?	LA	Trunk	?	?	Type I poliovirus isolated.
Wisc-113	Milwaukee	PJ	9	M	6-1	6-21	None	RA	None	?	?	
Wisc-114	Sawyer	KLG	4	M	9-1	9-20	9-21	LA	LL	L	676309	
Guam-6	Guam	PMS	2	M	9-13	9-21	?	?	RL,RA	?	?	

PSU	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.	Date Para.	Site Inoc.	Site Para.	Mfr.	Lot No.	Remarks
REVISIONS (Revised Items Underlined)												
Cal-279	Fresno	RD	12	M	8-30	9-8	9-24	<u>LA</u>	Legs	PD	029850A	
Cal-280	San Joaquin	LD	5	M	1-3-56 3-3-56 10-13-56	10-13	None	Leg Leg Leg	None	L L PD	653802 663616 <u>029851A</u>	<u>Spinal fluid, 117 cells.</u>
NY-231	St. Lawrence	JG	15	F	9-12	9-19	?	LA	?	PD	<u>029844A</u>	
Cal-208	Ventura	EF	11 mos.	M	6-29	<u>7-5</u>	<u>7-11</u>	LA	Legs	L	676301	
Cal-275	L.A.	KJH	13	F	10-11	11-8	None	LA	None	L	676317	<u>Spinal fluid, 330 cells.</u>

SUPPLEMENT TO POLIO SURVEILLANCE REPORT NO. 105 FEBRUARY 8, 1957
FOR OFFICIAL USE ONLY

U.S. Department of Health, Education and Welfare
Public Health Service Bureau of State Services

Communicable Disease Center
Poliomyelitis Surveillance Unit
50 Seventh Street, NE
Atlanta, Georgia

INDEX OF REPORTS ISSUED BY THE POLIO SURVEILLANCE UNIT
DURING THE CALENDAR YEARS
1955 AND 1956

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